

IAP10 Rec'd PCT/PTO 22 DEC 2005

Practitioner's Docket No. NEB-231-PUS

## CHAPTER II

**TRANSMITTAL LETTER  
TO THE UNITED STATES ELECTED OFFICE (EO/US)  
(ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)**

PCT/US04/017979	07 June 2004 (7.06.04)	27 June 2003 (27.06.03)
International Application No.	International Filing Date	Priority Date Claimed

Specific Detection of Chitin Using Chitin-Binding Domain

Title of Invention

Zhang, Yinhua; McReynolds, Larry

Applicant(s)

**Mail Stop PCT, Attn; US/EO  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

1. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 U.S.C. § 371:
  - a. This express request to immediately begin national examination procedures (35 U.S.C. § 371(f)).
  - b. The U.S. Basic National Fee (35 U.S.C. § 371(a)) and other fees (37 C.F.R. § 1.492) as indicated below:

## 2. Fees

<b>NATIONAL STAGE FEES*</b>	Basic filing fee * \$300.00				\$
	Examination fee \$200.00				
	Search fee \$500.00				
<b>CLAIMS FEE*</b>	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	\$
	TOTAL CLAIMS	22 - 20 =	2	x \$ 50.00 =	\$100.00
	INDEPENDENT CLAIMS	3 - 3 =	0	x \$ 0.00 =	\$0.00
	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$ 360.00	\$0.00
	Basic filing fee* \$300.00				\$300.00
<b>ADDITIONAL PAGES</b>	Examination fee				\$200.00
	Search fee \$500.00				
	Search fee (37 C.F.R. 1.445(a)(2) has been paid on the international application to the USPTO as an International Searching Authority \$100.00				\$100.00
	Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof"				
	Total Sheets ***Total sheets NU***	Extra Sheets ***Extra Sheets CO***	Number of each additional 50 or fraction thereof (rounded up to a whole number) ***Multiple CO***	250.00	\$0.00
	--Total of above Calculations				= \$500.00
	Applicant hereby claims small entity status. 37 C.F.R. 1.27. The above fees are reduced by 2				- \$250.00
	Subtotal				\$250.00
	Total National Fee				\$250.00
	Fee for recording the enclosed assignment document \$40.00 (37 C.F.R. § 1.21(h)). See Item 13 below). See attached "ASSIGNMENT COVER SHEET".				\$40.00
<b>TOTAL</b>	Total Fees enclosed				\$290.00

Attached is a check in the amount of \$290.00.

Charge any additional fees required by this paper or credit any overpayment to Deposit Account  
No. 14-0740.

A duplicate copy of this sheet is enclosed.

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**Assertion of Small Entity Status**

Applicant hereby asserts status as a small entity under 37 C.F.R. § 1.27.

3. A copy of the International application as filed (35 U.S.C. § 371(c)(2)) is not required, as the application was filed with the United States Receiving Office.
4. A translation of the International application into the English language (35 U.S.C. § 371(c)(2)) is not required as the application was filed in English.
5. An oath or declaration of the inventor (35 U.S.C. § 371(c)(4)) complying with 35 U.S.C. § 115 is submitted herewith, and such oath or declaration is attached to the application.

**II. Other document(s) or information included:**

6. An International Search Report (PCT/ISA/210) or Declaration under PCT Article 17(2)(a) is not required, as the application was searched by the United States International Searching Authority. The International Search Report and Written Opinion was transmitted on February 28, 2005.
7. An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98 is transmitted herewith.

Also transmitted herewith is/are Form PTO-1449 (PTO/SB/08A and 08B) and copies of citations listed.

8. An assignment document is transmitted herewith for recording.
9. Additional documents:
  - a. Copy of Request (PCT/RO/101) and copy of request for change of inventor/applicant designation; note that New England Biolabs, Inc. was mistakenly omitted from the Request; also note that inventors Zhang and McReynolds were mistakenly not designated as applicants and inventors for the purposes of the US only in the Request.
  - b. International Publication No. WO 2005/005955, including specification, claims and drawing; note that the first page of the publication does not reflect the proper applicant/inventor designations, nor do subsequent publications, which mistakenly name inventors Kumar, Foster and Carlow as inventor/applicants for the subject application; the international application will be re-published reflecting the proper data; attached are copies of PCT/IB/306 forms faxed on December 19, 2005, reflecting the International Bureau's recording of the deletion of inventors Kumar, Foster and Carlow and PCT/IB/306 forms mailed on February 4, 2005, reflecting the recording of New England Biolabs, Inc. as applicant for all designated States except the US and inventors Zhang and McReynolds as applicant and inventor for the US only.
  - c. Preliminary amendment
  - d. Diskette containing sequence listing, paper copy of same and statement that the contents of the two are identical
10. The above items are being transmitted before 30 months from any claimed priority date.

10/562183

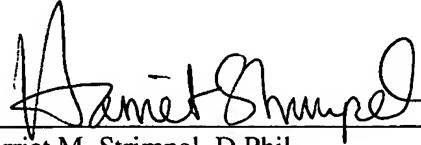
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**AUTHORIZATION TO CHARGE ADDITIONAL FEES**

Please charge any deficiencies in fees or credit any overpayments to Deposit Account No.

14-0740.

Date: December 22, 2005



Harriet M. Strimpel, D.Phil.

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10/562183

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PATENT

IN THE UNITED STATES ELECTED OFFICE

In re application of: Yinhua Zhang, Larry McReynolds

Application No.: not yet assigned

Group No.: not yet assigned

Filed: herewith

Examiner: not yet assigned

For: Specific Detection of Chitin Using Chitin-Binding Domain

Mail Stop PCT, Attn: US/EO

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" label number ER 915558594 US

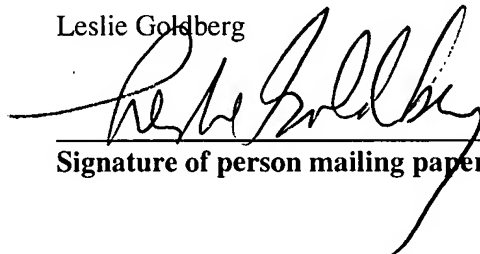
Date of Deposit: 22 December 2005

I hereby state that the following *attached* paper or fee

US national phase entry documents

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to the Mail Stop PCT, Attn: US/EO, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Leslie Goldberg



Signature of person mailing paper or fee